JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 420 (1991)

AUTHOR INDEX

Adams, C.J., (420) 105, 87, 95
Albeck, M., (420) 35
Andreu, P.L., (420) 431
Ang, H.G., (420) 289

Bailey, P.J., (420) C21
Belsky, V.K., (420) 43
Berhalter, K., (420) 53
Berke, H., (420) 419
Berthet, J.-C., (420) C9
Bhagi, A.K., (420) 321
Bois, C., (420) 431
Boparoy, N.S., (420) 23
Bosch, H.W., (420) 419
Bouanah, N., (420) 1
Brandsma, L., (420) 143
Brianese, N., (420) 1
Bruce, M.I., (420) 105, 253, 271, 87, 95
Bulychev, B.M., (420) 43

Cabeza, J.A., (420) 431
Cambie, R.C., (420) 387
Caro, B., (420) 185
Chakrabarty, D., (420) 79
Cheng, C.-H., (420) 119
Choukroun, R., (420) 353
Corain, B., (420) 57
Courtois, G., (420) 155

Degueil-Castaing, M., (420) 315
De Jeso, B., (420) 315
Di Vaira, M., (420) 135
DiVerdi, M.J., (420) 237
Dixneuf, P.H., (420) 217
Domrachev, G.A., (420) 67
Donoghue, N., (420) 179
Duisenberg, A., (420) 143

Englert, U., (420) 227, 303
Ephritikhine, M., (420) C9

Faller, J.W., (420) 237
Faßbender, W., (420) 303
Ferkous, F., (420) 315
Fujieda, K., (420) 13

Gao, Y., (420) 1
García-Basallote, M., (420) 371
García-Granda, S., (420) C12
Genizi, E., (420) 419
Gentric, D., (420) 185
Goldschmidt, Z., (420) 419
Gottlieb, H.E., (420) 419
Greaves, M.R., (420) 327
Gun'ko, Y.K., (420) 43

Hamor, T.A., (420) 327
Harder, S., (420) 143
Herberich, G.E., (420) 303
Hezroni-Langermann, D., (420) 419
Hori, A., (420) 13
Hossain, M.M., (420) 79
Howlin, B.J., (420) 327

Ignatenko, A.V., (420) 125
Ikebe, Y., (420) 13
Ishihara, H., (420) 13
Itoh, M., (420) C5
Iwata, K., (420) C5

Janssen, S.J., (420) 387
Jeannin, Y., (420) 431
Johnson, B.F.G., (420) 289

Kang, B.-S., (420) 227
Kanters, J.A., (420) 143
Kapoor, P.N., (420) 321
Kapoor, R.N., (420) 321
Katada, T., (420) 13
Kato, S., (420) 13
Ketkov, S.Y., (420) 67
Knox, G.R., (420) 379
Kobayashi, M., (420) C5
Koelle, U., (420) 227
Koh, C.H., (420) 289
Kolmogorov, Y.N., (420) 125
Köpf, H., (420) 345
Koutsantonis, G.A., (420) 253, 271
Kovalev, I.P., (420) 125
Kwik, W.L., (420) 289

Lance, M., (420) C9
Lange, K., (420) 345
Le Bihan, J.-Y., (420) 185
Leboutet, L., (420) 155
Leong, W.K., (420) 289
Lewis, J., (420) 289
Liao, F.-L., (420) 207, 359
Liddell, M.J., (420) 105, 253
Liu, C.-H., (420) 119
Llamazares, A., (420) 431
Lobana, T.S., (420) 327
Locke, K., (420) 1
Longato, B., (420) 57
Luinstra, G.A., (420) 337

Ma, Y., (420) 237
Maillard, B., (420) 315
Martínez-Ripoll, M., (420) 371
Mathur, P., (420) 79
Mbogo, S.A., (420) 327
McWhinnie, W.R., (420) 327
Mesnard, D., (420) 163
Messadi, D., (420) 315
Miginiac, L., (420) 155, 163
Miguel, D., (420) C12
Mizuta, M., (420) 13

Neumann, W.P., (420) 171
Nicholson, B.K., (420) 105, 271
Nierlich, M., (420) C9
Nikishin, G.I., (420) 125

Pauson, P.L., (420) 379
Pérez-Martínez, J.A., (420) C12
Peruzzini, M., (420) 135
Pickardt, J., (420) 345
Pilloni, G., (420) 57
Povey, D.C., (420) 327

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 420 (1991)

AUTHOR INDEX

Adams, C.J., (420) 105, 87, 95
Albeck, M., (420) 35
Andreu, P.L., (420) 431
Ang, H.G., (420) 289

Bailey, P.J., (420) C21
Belsky, V.K., (420) 43
Berhalter, K., (420) 53
Berke, H., (420) 419
Berthet, J.-C., (420) C9
Bhagi, A.K., (420) 321
Bois, C., (420) 431
Boparoy, N.S., (420) 23
Bosch, H.W., (420) 419
Bouanah, N., (420) 1
Brandsma, L., (420) 143
Brianese, N., (420) 1
Bruce, M.I., (420) 105, 253, 271, 87, 95
Bulychev, B.M., (420) 43

Cabeza, J.A., (420) 431
Cambie, R.C., (420) 387
Caro, B., (420) 185
Chakrabarty, D., (420) 79
Cheng, C.-H., (420) 119
Choukroun, R., (420) 353
Corain, B., (420) 57
Courtois, G., (420) 155

Degueil-Castaing, M., (420) 315
De Jeso, B., (420) 315
Di Vaira, M., (420) 135
DiVerdi, M.J., (420) 237
Dixneuf, P.H., (420) 217
Domrachev, G.A., (420) 67
Donoghue, N., (420) 179
Duisenberg, A., (420) 143

Englert, U., (420) 227, 303
Ephritikhine, M., (420) C9

Faller, J.W., (420) 237
Faßbender, W., (420) 303
Ferkous, F., (420) 315
Fujieda, K., (420) 13

Gao, Y., (420) 1
García-Basallote, M., (420) 371
García-Granda, S., (420) C12
Genizi, E., (420) 419
Gentric, D., (420) 185
Goldschmidt, Z., (420) 419
Gottlieb, H.E., (420) 419
Greaves, M.R., (420) 327
Gun'ko, Y.K., (420) 43

Hamor, T.A., (420) 327
Harder, S., (420) 143
Herberich, G.E., (420) 303
Hezroni-Langermann, D., (420) 419
Hori, A., (420) 13
Hossain, M.M., (420) 79
Howlin, B.J., (420) 327

Ignatenko, A.V., (420) 125
Ikebe, Y., (420) 13
Ishihara, H., (420) 13
Itoh, M., (420) C5
Iwata, K., (420) C5

Janssen, S.J., (420) 387
Jeannin, Y., (420) 431
Johnson, B.F.G., (420) 289

Kang, B.-S., (420) 227
Kanters, J.A., (420) 143
Kapoor, P.N., (420) 321
Kapoor, R.N., (420) 321
Katada, T., (420) 13
Kato, S., (420) 13
Ketkov, S.Y., (420) 67
Knox, G.R., (420) 379
Kobayashi, M., (420) C5
Koelle, U., (420) 227
Koh, C.H., (420) 289
Kolmogorov, Y.N., (420) 125
Köpf, H., (420) 345
Koutsantonis, G.A., (420) 253, 271
Kovalev, I.P., (420) 125
Kwik, W.L., (420) 289

Lance, M., (420) C9
Lange, K., (420) 345
Le Bihan, J.-Y., (420) 185
Leboutet, L., (420) 155
Leong, W.K., (420) 289
Lewis, J., (420) 289
Liao, F.-L., (420) 207, 359
Liddell, M.J., (420) 105, 253
Liu, C.-H., (420) 119
Llamazares, A., (420) 431
Lobana, T.S., (420) 327
Locke, K., (420) 1
Longato, B., (420) 57
Luinstra, G.A., (420) 337

Ma, Y., (420) 237
Maillard, B., (420) 315
Martínez-Ripoll, M., (420) 371
Mathur, P., (420) 79
Mbogo, S.A., (420) 327
McWhinnie, W.R., (420) 327
Mesnard, D., (420) 163
Messadi, D., (420) 315
Miginiac, L., (420) 155, 163
Miguel, D., (420) C12
Mizuta, M., (420) 13

Neumann, W.P., (420) 171
Nicholson, B.K., (420) 105, 271
Nierlich, M., (420) C9
Nikishin, G.I., (420) 125

Pauson, P.L., (420) 379
Pérez-Martínez, J.A., (420) C12
Peruzzini, M., (420) 135
Pickardt, J., (420) 345
Pilloni, G., (420) 57
Povey, D.C., (420) 327

Puerta-Vizcaíno, M.C., (420) 371

Raithby, P.R., (420) 289
Rashid, R.S., (420) 79
Rieger, B., (420) C17
Riera, V., (420) 431, C12
Romero, A., (420) 217, 371
Rooney, J., (420) 379
Rovai, D., (420) 135
Rutledge, P.S., (420) 387

Sandhu, G.K., (420) 23
Scholz, F., (420) 1
Sénéchal, D., (420) 185
Sénéchal-Tocquer, M.-C., (420) 185
Sharma, H.K., (420) 321
Shiu, K.-B., (420) 207, 359
Skelton, B.W., (420) 87, 95
Smart, C.J., (420) 237
So, S.P., (420) 293
Soloveichik, G.L., (420) 43
Stoppioni, P., (420) 135
Strelenko, Y.A., (420) 125

Takats, J., (420) 419
Takeuchi, R., (420) C5
Tamary, T., (420) 35
Teuben, J.H., (420) 337
Thewalt, U., (420) 53
Tiekink, E.R.T., (420) 179, 253, 271
Touchard, D., (420) 217
Trzeciak, A.M., (420) 353

Valerga, P., (420) 371
van Lenthe, J.H., (420) 143

Vegas, A., (420) 371
Vigner, J., (420) C9
Vinogradov, M.G., (420) 125

Wang, S.-L., (420) 207, 359
Weidlein, J., (420) 1
White, A.H., (420) 87, 95
Wicenec, C., (420) 171
Wolinska, A., (420) 217
Woodgate, P.D., (420) 387

Yih, K.-H., (420) 359

Zanella, P., (420) 1
Ziółkowski, J.J., (420) 353

JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 420 (1991)

SUBJECT INDEX

Aluminium

Crystal and molecular structures of the octanuclear aluminohydride samarium complex (η^5-$C_5H_3{}^tBu_2$)Sm[(μ_2-H)$_2$(μ_3-H)$_2$Al($Me_2NC_2H_4NMe_2$)]$_2$ [(η^5-$C_5H_3{}^tBu_2$)SmH]$_2$[(μ_2-H)$_3$Al(μ_2-H)Al(μ_2-H)$_3$] [(μ_3-H)$_2$Sm(η^5-$C_5H_3{}^tBu_2$)$_2$] (V.K. Belsky, Y.K. Gun'ko, B.M. Bulychev and G.L. Soloveichik), (420) 43

Synthèse en une étape par voie organométallique d'amines primaires β-acétyléniques α-ramifiées (L. Leboutet, G. Courtois and L. Miginiac), (420) 155

Ab initio molecular orbital study of dialuminum-ethylene complexes (S.P. So), (420) 293

Some new organotin(IV), aluminium(III)-μ-oxoisopropoxides and their benzoylacetone derivatives (P.N. Kapoor, A.K. Bhagi, R.N. Kapoor and H.K. Sharma), (420) 321

Cadmium

Oxidative alkylation of (η^5-C_5Me_5)$_2$TiR (R = Cl, Me, Et, CH=CH$_2$, Ph, OMe, N=C(H)^{t}Bu) to (η^5-C_5Me_5)$_2$Ti(Me)R by group 12 organometallic compounds MMe_2 (G.A. Luinstra and J.H. Teuben), (420) 337

Chromium

Déprotonation des allylbenzènes chrometricarbonyle en milieu basique. Influence du système basique et du groupement chrometricarbonyle sur la régiosélectivité de l'addition des dérivés carbonylés et sur la nature des produits isolés (M.-C. Sénéchal-Tocquer, D. Sénéchal, J.-Y. Le Bihan, D. Gentric and B. Caro), (420) 185

Cobalt

Cluster chemistry. LXXIII. Preparation and X-ray structure of the hexanuclear cobalt-ruthenium cluster, $CoRu_5(\mu_4\text{-}PPh)\,\mu_4\text{-}C_2Ph)(\mu\text{-}PPh_2)(CO)_{12}(\eta\text{-}C_5H_5)$ (C.J. Adams, M.I. Bruce, B.W. Skelton and A.H. White), (420) 95

Germanium

On carbon-13 spectra of thio- and dithiocarboxylic acids triorgano group 14 metal esters (S. Kato, A. Hori, M. Mizuta, T. Katada, H. Ishihara, K. Fujieda and Y. Ikebe), (420) 13

"Head-to-head" dimerization and dehydrodimerization of vinyl ketones catalyzed by modified rhodium(I) complexes (I.P. Kovalev, Y.N. Kolmogorov, Y.A. Strelenko, A.V. Ignatenko, M.G. Vinogradov and G.I. Nikishin), (420) 125

Indium

Dialkylindium derivatives of unsaturated nitrogen heterocycles—preparation, spectroscopic properties and the use in MOVPE (K. Locke, J. Weidlein, F. Scholz, N. Bouanah, N. Brianese, P. Zanella and Y. Gao), (420) 1

Iron

Heteropolymetallic complexes of 1,1′-bis(diphenylphosphino)ferrocene (dppf). VII. Redox behaviour of dppf (G. Pilloni, B. Longato and B. Corain), (420) 57

Ultraviolet vapour-phase absorption spectra of d^6 metallocenes (S.Y. Ketkov and G.A. Domrachev), (420) 67

Mixed chalcogen carbonyl compounds. IV. Reactivity of $Fe_2(CO)_6(\mu$-STe) and $Fe_3(CO)_9(\mu_3$-S)(μ_3-Te) towards coordinatively unsaturated species (P. Mathur, D. Chakrabarty, M.M. Hossain and R.S. Rashid), (420) 79

Syntheses of dibenzo[*b*,*e*][1,4]dioxin derivatives via iron complexes, and further functionalizations via directed metallation (R.C. Cambie, S.J. Janssen, P.S. Rutledge and P.D. Woodgate), (420) 387

Lead

On carbon-13 spectra of thio- and dithiocarboxylic acids triorgano group 14 metal esters (S. Kato, A. Hori, M. Mizuta, T. Katada, H. Ishihara, K. Fujieda and Y. Ikebe), (420) 13

Lithium

The structure of 2-(diphenylphosphino)phenyllithium: the significance of P–Li bonding (S. Harder, L. Brandsma, J.A. Kanters, A. Duisenberg and J.H. van Lenthe), (420) 143

Magnesium

Synthèse en une étape par voie organométallique d'amines primaires β-acétyléniques α-ramifiées (L. Leboutet, G. Courtois and L. Miginiac), (420) 155

Manganese

A study of η^3-allyl(η^5-cyclopentadienyl)- dicarbonylmanganese salts (G.R. Knox, P.L. Pauson and J. Rooney), (420) 379

Novel heterobimetallic complexes with $S_2CPR_3(\kappa$-*S*,*S*′)(κ-*S*,*C*,*S*′) bridges. X-Ray structure of $[MnMo(CO)_6(\mu$-Br)(μ-$S_2CP^iPr_3)]$ (D. Miguel, J.A. Pérez-Martínez, V. Riera and S. García-Granda), (420) C12

Mercury

Oxidative alkylation of $(\eta^5$-$C_5Me_5)_2TiR$ (R = Cl, Me, Et, CH=CH_2, Ph, OMe, N=C(H)^{t}Bu) to (η^5-$C_5Me_5)_2$Ti(Me)R by group 12 organometallic compounds MMe_2 (G.A. Luinstra and J.H. Teuben), (420) 337

Mercury–ruthenium mixed-metal carbonyl clusters containing 2-amido-6-methylpyridine (ampy) as a μ_3,η^2-ligand. Crystal structures of $[Ru_6(\mu_4$-Hg)(μ_3-ampy)$_2(CO)_{18}]\cdot 2C_4H_8O$ and $[Ru_3(\mu$-HgBr)(μ_3-ampy)$(CO)_9]$ (P.L. Andreu, J.A. Cabeza, A. Llamazares, V. Riera, C. Bois and Y. Jeannin), (420) 431

Metallocenes

Heteropolymetallic complexes of 1,1′-bis(diphenylphosphino)ferrocene (dppf). VII. Redox behaviour of dppf (G. Pilloni, B. Longato and B. Corain), (420) 57

Ultraviolet vapour-phase absorption spectra of d^6 metallocenes (S.Y. Ketkov and G.A. Domrachev), (420) 67

Acetylen-Komplexe von Di(η^5-cyclopentadienyl)molybdän: Synthesen und Protonierung. Struktur von $[Cp_2MoH\{\eta^2$-$C_2(SiMe_3)_2\}]PF_6$ (G.E. Herberich, U. Englert and W. Faßbender), (420) 303

Molybdenum

Organotransition-metal complexes of multidentate ligands. XVI. On the nature of the sigma-donicity of the saturated nitrogen ligands; chelate-assisted weakening of the α-N–H bond: synthesis, and spectral and structural study of $[Mo(N–N)(CO)_4]$ (N–N = saturated nitrogen bidentate ligands) (K.-B. Shiu, S.-L. Wang and F.-L. Liao), (420) 207

Acetylen-Komplexe von Di(η^5-cyclopentadienyl)molybdän: Synthesen und Protonierung. Struktur von $[Cp_2MoH\{\eta^2$-$C_2(SiMe_3)_2\}]PF_6$ (G.E. Herberich, U. Englert and W. Faßbender), (420) 303

Organotransition-metal complexes of multidentate ligands. XVII. Synthesis and characterization of some η^3-allylcarbonyl complexes of molybdenum containing dithiocarbamates as the uni-negative sulphur-bidentate ligands: crystal structure of $[Mo(\eta^2$-$S_2CNEt_2)(CO)$-(η^3-allyl)(η^2-bis(diphenylphosphino)methane)] (K.-B. Shiu, K.-H. Yih, S.-L. Wang and F.-L. Liao), (420) 359

An unexpected molybdenum(0) complex with "MoP_6" coordination: crystal structure of $[Mo\{P(CH_2CH_2PPh_2)_3\}_2]\cdot C_5H_{10}$ (M. García-Basallote, P. Valerga, M.C. Puerta-Vizcaíno, A. Romero, A. Vegas and M. Martínez-Ripoll), (420) 371

Osmium

Ultraviolet vapour-phase absorption spectra of d^6 metallocenes (S.Y. Ketkov and G.A. Domrachev), (420) 67

Cyclopentadienyl-ruthenium and -osmium chemistry. XXXVI. Oligomerisation of phenylacetylide residues on ruthenium. Crystal structures of $\{Ru(PPh_3)(\eta\text{-}C_5H_5)\}_2(\mu\text{-}C_8Ph_4)$ and $\{Ru(PPh_3)(\eta\text{-}C_5H_5)\}_2\{\mu\text{-}C_{10}Ph_4(C_6H_4)\}$ (M.I. Bruce, G.A. Koutsantonis, M.J. Liddell and E.R.T. Tiekink), (420) 253

Cyclopentadienyl-ruthenium and -osmium chemistry. XXXVII. Oligomerisation of $C_2(CO_2Me)_2$ at a cyclopentadienyl-ruthenium centre: X-ray structures of $RuI\{\eta^4\text{-}CH(CO_2Me)=C(CO_2Me)C(CO_2Me)=CH(CO_2Me)\}(\eta\text{-}C_5H_5)$, $Ru(\eta^5\text{-}C_5H_5)\{\eta^5\text{-}C_6H(CO_2Me)_6\}$ and $Ru(\eta^5C_5H_5)\{\eta^5\text{-}C_6[C(CO_2Me)=CH(CO_2Me)](CO_2Me)_6\}$ (M.I. Bruce, G.A. Koutsantonis, E.R.T. Tiekink and B.K. Nicholson), (420) 271

Preferential attack of the terminal hydrogen in $(\mu\text{-}H)Os_3(CO)_{11}H$ by the $(CF_3)_2NO$ radical and X-ray structure of $\{(\mu\text{-}H)Os_3(CO)_{11}\}[ON(CF_3)_2]$ (H.G. Ang, W.L. Kwik, C.H. Koh, W.K. Leong, B.F.G. Johnson, J. Lewis and P.R. Raithby), (420) 289

Palladium

Mixed chalcogen carbonyl compounds. IV. Reactivity of $Fe_2(CO)_6(\mu\text{-STe})$ and $Fe_3(CO)_9(\mu_3\text{-S})(\mu_3\text{-Te})$ towards coordinatively unsaturated species (P. Mathur, D. Chakrabarty, M.M. Hossain and R.S. Rashid), (420) 79

Phosphorus

Crystal structure and reactivity of $[(pp_3)Rh(H)(SeCH_3)]BPh_4$. An organometallic complex from metal-assisted Se–H activation (M. Di Vaira, D. Rovai, P. Stoppioni and M. Peruzzini), (420) 135

The structure of 2-(diphenylphosphino)phenyllithium: the significance of P–Li bonding (S. Harder, L. Brandsma, J.A. Kanters, A. Duisenberg and J.H. van Lenthe), (420) 143

$[Ph_4P][CpTi(1,2\text{-}S_2C_6H_4)_2]$: Synthese und Molekülstruktur eines anionischen, tetragonal-pyramidal koordinierten Benzol-1,2-dithiolato-Komplexes des Titans (H. Köpf, K. Lange and J. Pickardt), (420) 345

Platinum

Mixed chalcogen carbonyl compounds. IV. Reactivity of $Fe_2(CO)_6(\mu\text{-STe})$ and $Fe_3(CO)_9(\mu_3\text{-S})(\mu_3\text{-Te})$ towards coordinatively unsaturated species (P. Mathur, D. Chakrabarty, M.M. Hossain and R.S. Rashid), (420) 79

Hydrosilylation of olefins with monosilane catalyzed by transition metal complexes (M. Itoh, K. Iwata, R. Takeuchi and M. Kobayashi), (420) C5

Rhodium

The role of alcohol in the catalytic reductive carbonylation of nitrobenzenes to carbamates in the presence of $Rh(CO)_4^-$ or $Ru_3(CO)_{12}$ (C.-H. Liu and C.-H. Cheng), (420) 119

"Head-to-head" dimerization and dehydrodimerization of vinyl ketones catalyzed by modified rhodium(I) complexes (I.P. Kovalev, Y.N. Kolmogorov, Y.A. Strelenko, A.V. Ignatenko, M.G. Vinogradov and G.I. Nikishin), (420) 125

Crystal structure and reactivity of $[(pp_3)Rh(H)(SeCH_3)]BPh_4$. An organometallic complex from metal-assisted Se–H activation (M. Di Vaira, D. Rovai, P. Stoppioni and M. Peruzzini), (420) 135

Ruthenium

Ultraviolet vapour-phase absorption spectra of d^6 metallocenes (S.Y. Ketkov and G.A. Domrachev), (420) 67

Mixed chalcogen carbonyl compounds. IV. Reactivity of $Fe_2(CO)_6(\mu\text{-STe})$ and $Fe_3(CO)_9(\mu_3\text{-S})(\mu_3\text{-Te})$ towards coordinatively unsaturated species (P. Mathur, D. Chakrabarty, M.M. Hossain and R.S. Rashid), (420) 79

Cluster chemistry. LXXI. Isomerisation of a pentanuclear ruthenium cluster by elimination of phenylphosphinidene from a tertiary phosphine. X-Ray structure of $Ru_5(\mu_5\text{-}C_2Ph)(\mu_4\text{-PPh})(\mu\text{-}PPh_2)(CO)_{13}$ (C.J. Adams, M.I. Bruce, B.W. Skelton and A.H. White), (420) 87

Cluster chemistry. LXXIII. Preparation and X-ray structure of the hexanuclear cobalt-ruthenium cluster, $CoRu_5(\mu_4\text{-}PPh)\,\mu_4\text{-}C_2Ph)(\mu\text{-}PPh_2)(CO)_{12}(\eta\text{-}C_5H_5)$ (C.J. Adams, M.I. Bruce, B.W. Skelton and A.H. White), (420) 95

Cluster chemistry. LXXIV. Reactions between $Ru_5(\mu_5\text{-}C_2PPh_2)\text{-}\,(\mu\text{-}PPh_2)(CO)_{13}$ and allyl halides: cluster cleavage and three-component addition reactions. Crystal structures of $Ru_4\{\mu_4\text{-}C_2PPh_2Ru(CO)_2(\eta\text{-}C_3H_5)\text{-}\,(\mu\text{-}Cl)\}(\mu\text{-}PPh_2)(CO)_{10}$ and $Ru_5\{\mu_5\text{-}\,CCC(O)CH_2CH{=}CH_2\}(\mu\text{-}PPh_2)_2(\mu\text{-}Br)(CO)_{11}$ (C.J. Adams, M.I. Bruce, M.J. Liddell and B.K. Nicholson), (420) 105

Organometallic cumulenes: allenylidene– and alkenyl allenylidene–ruthenium complexes (A. Wolinska, D. Touchard, P.H. Dixneuf and A. Romero), (420) 217

Ligand addition to $[Cp^*RuCl]_4$—molecular structure of $[Cp^*Ru(C_2H_4)Cl]_2$ (U. Koelle, B.-S. Kang and U. Englert), (420) 227

Ketone, aldehyde and aldimine complexes of cyclopentadienylruthenium organometallic Lewis acids (J.W. Faller, Y. Ma, C.J. Smart and M.J. DiVerdi), (420) 237

Cyclopentadienyl-ruthenium and -osmium chemistry. XXXVI. Oligomerisation of phenylacetylide residues on ruthenium. Crystal structures of $\{Ru(PPh_3)(\eta\text{-}C_5H_5)\}_2(\mu\text{-}C_8Ph_4)$ and $\{Ru(PPh_3)(\eta\text{-}C_5H_5)\}_2\{\mu\text{-}C_{10}Ph_4(C_6H_4)\}$ (M.I. Bruce, G.A. Koutsantonis, M.J. Liddell and E.R.T. Tiekink), (420) 253

Cyclopentadienyl-ruthenium and -osmium chemistry. XXXVII. Oligomerisation of $C_2(CO_2Me)_2$ at a cyclopentadienyl-ruthenium centre: X-ray structures of $RuI\{\eta^4\text{-}CH(CO_2Me){=}C(CO_2Me)C(CO_2Me){=}CH(CO_2Me)\}(\eta\text{-}C_5H_5)$, $Ru(\eta^5\text{-}C_5H_5)\{\eta^5\text{-}C_6H(CO_2Me)_6\}$ and $Ru(\eta^5C_5H_5)(\eta^5\text{-}C_6[C(CO_2Me){=}CH(CO_2Me)](CO_2Me)_6\}$ (M.I. Bruce, G.A. Koutsantonis, E.R.T. Tiekink and B.K. Nicholson), (420) 271

Pericyclic organometallic reactions. Cycloaddition reactions of $(\eta^4\text{-cycloheptatriene})Ru(CO)_3$. Crystal structure of tricarbonyl[(2,3,4,9-η)-bicyclo[4.2.1]non-2-ene-4,9-diyl-7,7,8,8-tetracarbonitrile] ruthenium (Z. Goldschmidt, E. Genizi, H.E. Gottlieb, D. Hezroni-Langermann, H. Berke, H.W. Bosch and J. Takats), (420) 419

Mercury–ruthenium mixed-metal carbonyl clusters containing 2-amido-6-methylpyridine (ampy) as a μ_3,η^2-ligand. Crystal structures of $[Ru_6(\mu_4\text{-}Hg)(\mu_3\text{-ampy})_2(CO)_{18}]\cdot 2C_4H_8O$ and $[Ru_3(\mu\text{-}HgBr)(\mu_3\text{-ampy})(CO)_9]$ (P.L. Andreu, J.A. Cabeza, A. Llamazares, V. Riera, C. Bois and Y. Jeannin), (420) 431

The cleavage of a cluster carbonyl C–O bond by trifluoromethanesulphonic anhydride (P.J. Bailey), (420) C21

Samarium

Crystal and molecular structures of the octanuclear aluminohydride samarium complex $(\eta^5\text{-}C_5H_3{}^tBu_2)Sm[(\mu_2\text{-}H)_2(\mu_3\text{-}H)_2Al(Me_2NC_2H_4NMe_2)]_2$ $[(\eta^5\text{-}C_5H_3{}^tBu_2)SmH]_2[(\mu_2\text{-}H)_3Al(\mu_2\text{-}H)Al(\mu_2\text{-}H)_3]$ $[(\mu_3\text{-}H)_2Sm(\eta^5\text{-}C_5H_3{}^tBu_2)_2]$ (V.K. Belsky, Y.K. Gun'ko, B.M. Bulychev and G.L. Soloveichik), (420) 43

Selenium

Crystal structure and reactivity of $[(pp_3)Rh(H)(SeCH_3)]BPh_4$. An organometallic complex from metal-assisted Se–H activation (M. Di Vaira, D. Rovai, P. Stoppioni and M. Peruzzini), (420) 135

Silicon

On carbon-13 spectra of thio- and dithiocarboxylic acids triorgano group 14 metal esters (S. Kato, A. Hori, M. Mizuta, T. Katada, H. Ishihara, K. Fujieda and Y. Ikebe), (420) 13

Hydrosilylation of olefins with monosilane catalyzed by transition metal complexes (M. Itoh, K. Iwata, R. Takeuchi and M. Kobayashi), (420) C5

Alcynylsilanes fonctionnels. III. Synthèse régiosélective par voie organozincique de 1-triméthylsilyl-4-éne-1-ynes fonctionnels (D. Mesnard and L. Miginiac), (420) 163

Acetylen-Komplexe von $Di(\eta^5\text{-cyclopentadienyl})$molybdän: Synthesen und Protonierung. Struktur von $[Cp_2MoH\{\eta^2\text{-}C_2(SiMe_3)_2\}]PF_6$ (G.E. Herberich, U. Englert and W. Faßbender), (420) 303

Tellurium

$TeCl_4$ in organic synthesis. Elimination reactions (M. Albeck and T. Tamary), (420) 35

Mixed chalcogen carbonyl compounds. IV. Reactivity of $Fe_2(CO)_6(\mu\text{-}STe)$ and $Fe_3(CO)_9(\mu_3\text{-}S)(\mu_3\text{-}Te)$ towards coordinatively unsaturated species (P. Mathur, D. Chakrabarty, M.M. Hossain and R.S. Rashid), (420) 79

The crystal structures of 2-(2′-pyridyl)phenyltellurium(II) bromide and of the inclusion compound bis[2-(2′-pyridyl)phenyltellurium(II) chloride]· *p*-ethoxyphenyl-mercury(II) chloride (M.R. Greaves, T.A. Hamor, B.J. Howlin, T.S. Lobana, S.A. Mbogo, W.R. McWhinnie and D.C. Povey), (420) 327

Tin

On carbon-13 spectra of thio- and dithiocarboxylic acids triorgano group 14 metal esters (S. Kato, A. Hori, M. Mizuta, T. Katada, H. Ishihara, K. Fujieda and Y. Ikebe), (420) 13

Preparation and ^{119m}Sn Mössbauer studies of diorganotin(IV) derivatives of nicotinic acid and nicotinic acid *N*-oxide (G.K. Sandhu and N.S. Boparoy), (420) 23

"Head-to-head" dimerization and dehydrodimerization of vinyl ketones catalyzed by modified rhodium(I) complexes (I.P. Kovalev, Y.N. Kolmogorov, Y.A. Strelenko, A.V. Ignatenko, M.G. Vinogradov and G.I. Nikishin), (420) 125

Organozinnverbindungen. XXXIV. 2-(Chlordimethylstannyl)-4-methoxy-2′,4′-dinitroazobenzol: Ein ungewöhnliches Produkt bei Azokupplungen an 3-Trimethylstannylanisol. Intramolekulare Komplexierung der Azogruppe durchdie Stannylgruppe unter deren Halodemethylierung (W.P. Neumann and C. Wicenec), (420) 171

Crystal structure of bis(*O*-isopropyldithiocarbonato)diphenyltin(IV) (N. Donoghue and E.R.T. Tiekink), (420) 179

Synthèse et réactivité d'un nouvel hydrure organostannique à "queue polaire": le dibutyl-4,7,10-trioxaundécylstannane (F. Ferkous, D. Messadi, B. De Jeso, M. Degueil-Castaing and B. Maillard), (420) 315

Some new organotin(IV), aluminium(III)-μ-oxoisopropoxides and their benzoylacetone derivatives (P.N. Kapoor, A.K. Bhagi, R.N. Kapoor and H.K. Sharma), (420) 321

Titanium

Darstellung und Struktur von $Cp_2Ti(SO_3CF_3)(THF)$ (K. Berhalter and U. Thewalt), (420) 53

Oxidative alkylation of $(\eta^5\text{-}C_5Me_5)_2TiR$ (R = Cl, Me, Et, $CH{=}CH_2$, Ph, OMe, N=C(H)^{t}Bu) to $(\eta^5\text{-}C_5Me_5)_2Ti(Me)R$ by group 12 organometallic compounds MMe_2 (G.A. Luinstra and J.H. Teuben), (420) 337

$[Ph_4P][CpTi(1,2\text{-}S_2C_6H_4)_2]$: Synthese und Molekülstruktur eines anionischen, tetragonal-pyramidal koordinierten Benzol-1,2-dithiolato-Komplexes des Titans (H. Köpf, K. Lange and J. Pickardt), (420) 345

Uranium

Tricyclopentadienyluranium azide complexes (J.-C. Berthet, M. Lance, M. Nierlich, J. Vigner and M. Ephritikhine), (420) C9

Zinc

Synthèse en une étape par voie organométallique d'amines primaires β-acétyléniques α-ramifiées (L. Leboutet, G. Courtois and L. Miginiac), (420) 155

Alcynylsilanes fonctionnels. III. Synthèse régiosélective par voie organozincique de 1-triméthylsilyl-4-éne-1-ynes fonctionnels (D. Mesnard and L. Miginiac), (420) 163

Oxidative alkylation of $(\eta^5\text{-}C_5Me_5)_2TiR$ (R = Cl, Me, Et, $CH{=}CH_2$, Ph, OMe, N=C(H)^{t}Bu) to $(\eta^5\text{-}C_5Me_5)_2Ti(Me)R$ by group 12 organometallic compounds MMe_2 (G.A. Luinstra and J.H. Teuben), (420) 337

Zirconium

Influence of the modification of the ligands on hex-1-ene hydroformylation catalyzed by $[HRh\{P(OPh)_3\}_4]$ and $[HRh(CO)\{P(OPh)_3\}_3]$. Catalytic activity of the system $[HRh\{P(OPh)_3\}_4]+Cp_2Zr(CH_2PPh_2)_2$ (A.M. Trzeciak, J.J. Ziółkowski and R. Choukroun), (420) 353

Preparation and some properties of chiral *ansa*-mono(η^5-fluorenyl)zirconium(IV) complexes (B. Rieger), (420) C17